

IN THE SPECIFICATION:

Please amend the paragraph beginning at page 12, line 7 as follows:

A1
The matched filter 12 is a correlating device for performing a correlating calculation promptly when the received signal S_{in} is inputted thereto in synchronization with the time width τ as described later, and may comprise a SAW (Surface Acoustic Wave) element, a CCD (Charged Coupled Device) and the like. More concretely, an elastic type SAW convolver device is employed here as the correlating device, in which the tap number is set to 256. The matched filter 12 performs a mutual correlating calculation between the received signal S_{in} and the predetermined code series data D_{rf} , and outputs a correlation value P_i , which is a result of the correlating calculation, to the ~~comparator 13~~ comparator 13a and the adder 15.

Please amend the paragraph beginning at page 22, line 16 as follows:

A2
Next, the value of a point counter i built in the memory controller 14 is set to "1" (step S101) (step S102). This point counter i is prepared for counting the order of the point (phase shift amount) i of the correlation value P_i .